IN THE UNITED STATES PATENT AND TRADEMARK OFFICE	*Application Number*	New Application
	Filing Date	Herewith
	First Named Inventor	Baldomero M. OLIVERA
	Group Art Unit	To Be Assigned
	Examiner Name	To Be Assigned
	Attorney Docket Number	2314-280
Title of the Invention: **MU-CONOPEPTIDES**		

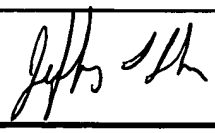
INFORMATION DISCLOSURE STATEMENT

Director of the United States Patent
and Trademark Office
P.O. Box 1450
Alexandria, Virginia 22313-1450

Dear Sir:

The material listed on the accompanying PTO-1449 forms attached hereto is cited in compliance with the provisions of 37 C.F.R. §§ 1.56, 1.97 and 1.98. Applicant respectfully requests that the Examiner consider these references with respect to the present application.

Copies of these references can be found with the parent application, U.S. Serial Number 09/910,009 and, accordingly, will not be resubmitted unless requested by the Examiner.

RESPECTFULLY SUBMITTED,					
Name and Reg. Number	Jeffrey L. Ihnen, Registration No. 28,957				
Signature			*Date*	21 April 2004	
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT				Complete if Known	
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				Examiner Name	To Be Assigned
Sheet	1	of	2	Attorney Docket Number	2314-280

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	U.S. Patent Document Number	Kind Code[2] (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY
	1	5,670,622		SHON et al.	09-23-1997

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	Foreign Patent Document Office[3] Code	Number[4]	Kind[5] (if known)	Name of Patentee of Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	T[6]

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Sheet	2	of	2	Attorney Docket Number	2314-280

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No.[1]	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T[2]
	2	CRUZ, L.J. et al. (1985). "*Conus geographus* Toxins That Discriminate Between Neuronal and Muscle Sodium Channels," *J. Biol. Chem.* **260**(16), Aug. 5, pp. 9280-9288.	
	3	CRUZ, L.J. et al. (1989). "μ-Conotoxin GIIIA, aPeptide Ligand for Muscle Sodium Channels: Chemical Synthesis, Radiolabeling, and Receptor Characterization," *Biochemistry* **28**: 3437-3442.	
	4	FAINZILBER, M. et al. (1995). "A New Cysteine Framework in Sodium Channel Blocking Conotoxins," *Biochemistry* **34**:8649-8656.	
	5	JONES, R.M. et al. (2000). "Conus peptides - Combinatorial Chemistry at a Cone Snail's Pace," *Current Opn. Drug Discov. & Devel.* **3**(2):141-154.	
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	7	NAKAMURA, M. et al. (2001). "Modification of Arg-13 of μ-Conotoxin GIIIA with Piperidinyl-Arg Analogs and Their Relation to the Inhibition of Sodium Channels," *FEBS Letts.* **503**:107-110.	
	8	OLIVERA, B.M. et al. (1985). "Peptide Neurotoxins from Fish-Hunting Cone Snails," *Science* **230**:1338-1343.	
	9	OLIVERA, B.M. et al. (1990). "Diversity of *Conus* Neuropeptides," *Science* **249**:257-263.	
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	11	WAKAMATSU, K. et al. (1992). "Structure-Activity Relationships of μ-Conotoxin GIIIA: Structure Determination of Active and Inactive Sodium Channel Blocker Peptides by NMR and Simulated Annealing Calculations," *Biochemistry* **31**:12577-12584.	
	12	WAXMAN, S.G. et al. (2000). "Voltage-gated sodium channels and the molecular pathogenesis of pain: A review," *J. Rehabil. Res. Devel.* **37**(5):517-528.	
	13	WEST, P.J. et al. (2002). "μ-Conotoxin SmIIIA, a Potent Inhibitor of Tetrodotoxin-Resistant Sodium Channels in Amphibian Sympathetic and Sensory Neurons," *Biochem.* **41**:15388-15393.	

Examiner Signature		Date Considered	

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